

WONDERFUL DISCOVERY FOR COOLING AND HEATING LIQUIDS.

LAWRENCE'S PATENT CAPILLARY REFRIGERATOR.

FOR COOLING BREWERS' AND DISTILLERS' WORTS, THICK AND THIN MASH, MILK, &c.; ALSO FOR CONDENSING STEAM AND PURIFYING WATER.

In these Refrigerators the cooling surfaces are made of corrugated copper, and the ends of gun metal. They combine all the advantages that can be desired, viz. incredible cooling powers, the total or partial exposure of the fluid to the air at pleasure during cooling, surpassing cleanliness, durability, and simplicity of construction.

For the vertical form of Refrigerator the fall required varies from 18 inches to 4 feet 6 inches, and the flat form from 3 inches to 12 inches. Their cooling power is so great that Brewers' Wort of the heaviest gravity may be reduced to within half a degree Fahr. of the water employed.

FIG. 1.

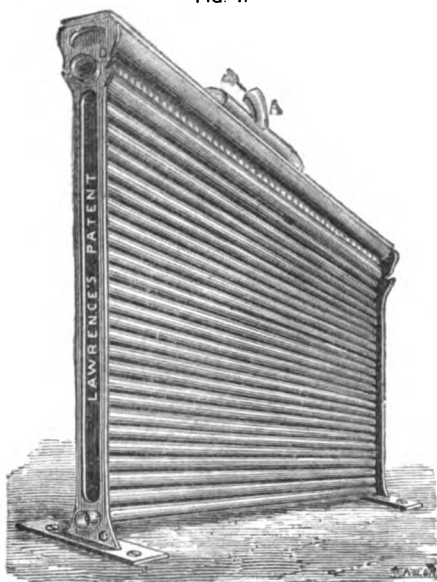
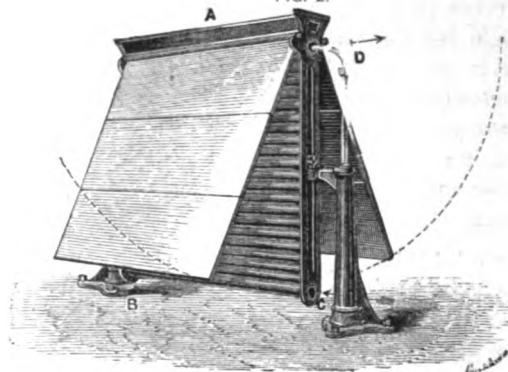


FIG. 2.



PRICES.

To cool from 180° to within about 2° of water used.

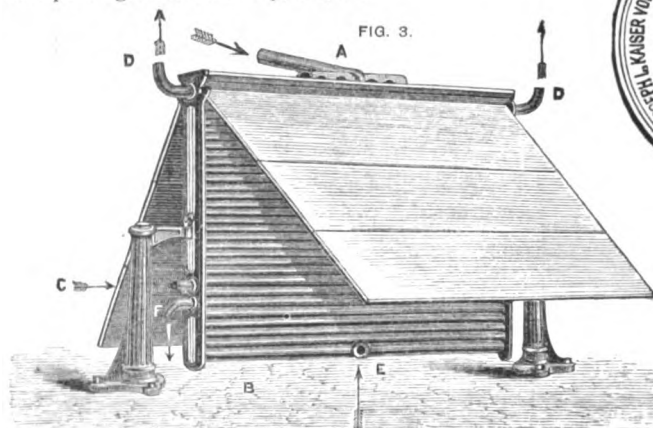
	£	s.	d.
5 Barrels per hour	16	10	0
12 " " " " " " " " " "	39	12	0
40 " " " " " " " " " "	110	0	0
100 " " " " " " " " " "	237	10	0

Sampling and Small Refrigerators, 1 Barrel per hour, £3 10s.; and 3 Barrels per hour, £10 8s.

PRICES OF INTERMEDIATE AND OTHER SIZES ON APPLICATION.

These Refrigerators have taken numerous Medals and First Prizes at English and Continental Shows: among others, the following:

The Grand Medal of Progress at Vienna. First Silver Medal at Warsaw. Silver Medal of the Royal Agricultural Society of England. Silver Medal of the Royal Worcester Agricultural Society. Silver Medal of the Manchester and Liverpool Agricultural Society, &c., &c.



REFERENCE TO ILLUSTRATIONS.

Fig. 1 represents the Refrigerator of the ordinary kind, but without bottom receiving trough.

Fig. 2 shows Refrigerator mounted on trunnions for swinging, and cover-downs to exclude the air.

Fig. 3 represents a combined Refrigerator, with trunnions and cover-downs, arranged for ice water and river water. This description will cool down to 40° Fahr.

LAWRENCE AND CO.,

BREWERS' ARCHITECTS, CONTRACTORS, ENGINEERS, COPPERSMITHS, IRON AND BRASS FOUNDERS, &c.

LONDON OFFICE: 22, ST. MARY AXE. WORKS: LATIMER ROAD, NOTTING HILL, W.

PRESERVATION OF MILK. IMPORTANT TO DAIRY FARMERS.

Thousands of these Refrigerators are now in daily use at home and abroad, for cooling milk and other fluids. By their aid, milk intended for transit, or for the making of butter or cheese, may be cooled as soon as it leaves the cow, and before any injurious change can possibly have taken place. It has long been a well-known fact that milk is preserved in proportion to the rapidity with which it is cooled. Why this is so has never been satisfactorily explained, but recent scientific investigations have proved, beyond a doubt, that when milk is *suddenly* cooled, the infusoria or vital organisms (the cause of rapid decomposition) are destroyed, and the milk is consequently preserved; whereas, if cooled by *slow degrees*, living infusoria will still be found in it.

By passing warm water through the Refrigerator, instead of cold, the temperature of the milk may be readily raised to any degree required, which, in cold weather, is a great advantage in cheese making.



THE PRICES OF THESE REFRIGERATORS ARE:

For Cooling 60 Gallons of Milk per hour ..	£	s.	d.	For Cooling 150 Gallons of Milk per hour ..	£	s.	d.
" 100 " " " ..	3	15	0	" 200 " " " ..	7	5	0
" 300 Gallons of Milk per hour ..	5	0	0	" 200 " " " ..	9	10	0
For Cooling 300 Gallons of Milk per hour ..				£14	0	0	

Fittings extra—Prices on application.

SPECIAL QUOTATIONS TO MERCHANTS FOR THE CONTINENT AND ABROAD.

L. AND CO. desire to call especial attention to the following among their Specialities:

LAWRENCE'S PATENT REMOVABLE INTERNAL MASHING MACHINE.

It is the best form of an Internal Rake Machine, and dispenses with cogs on the inner circumference of tun, is fitted with distributing apparatus for raising and regulating the heat of the mash.

IMPROVED PATENT SELF-ACTING EXTERNAL MASHING MACHINES.

PATENT FRICTIONLESS CLOSEWAY SPARGER.

IMPROVED STAR CORRUGATED, AND ROUND AND FLAT TUBULAR ATTEMPERATORS.

PARACHUTE AND OTHER SKIMMING APPARATUS.

IMPROVED MALT ROLLERS.

PATENT FERMENTING APPARATUS.

COPPERS, STEAM-JACKET PANS, BOILING COILS, CAST-IRON MASH TUNS AND TANKS, BRASS WORK, PUMPS, COCKS, VALVES, AND EVERY DESCRIPTION OF BREWING MACHINERY.

Testimonials, Illustrations, and Particulars on application.

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